

CLAIMS

1. A radar apparatus or like comprising:

5 a coordinate converter for converting detected data at each sample point obtained in a polar coordinate system into a rectangular coordinate system;

a detected image data generator for generating detected image data corresponding to each pixel in an image memory based on the detected data; and

10 an image memory for storing detected image data output from the detected image data generator,

wherein the apparatus comprises data shifter for shifting detected image data input from the detected image data generator with predetermined timing and outputting the detected image data, and azimuth direction detected image data corrector for comparing detected image data of
15 a current sweep from the detected image data generator with detected image data of a previous sweep from the data shifter at the same position in a sweep distance direction, and outputting a maximum value of the pieces of detected image data as detected image data of the current sweep.

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2. A radar apparatus or like according to claim 1, wherein the azimuth direction detected image data corrector comprises a correction stopper for, when a predetermined number or more of consecutive pieces of detected image data greater than or equal to a predetermined threshold value are
25 present over a plurality of sweeps at the same position in a distance direction, stopping replacement of detected image data of a current sweep with detected image data of a previous sweep based on a sweep on which detected image data at the same position in the distance direction has a value less than the threshold value.

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3. A radar apparatus or like according to claim 1 or 2, comprising a distance
direction detected image data corrector for comparing a predetermined
number of consecutive pieces of detected image data in the distance direction
on the same sweep, and outputting most peripheral detected image data of
5 the pieces of detected image data as a maximum value of the consecutive
pieces of detected image data.

4. A radar apparatus or like according to any of claims 1 to 3, comprising a
selector for selecting the number of sweeps to be shifted by the data shifter.

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5. A radar apparatus or like according to claim 4, wherein the selector
selects the number of pieces of detected image data to be compared by the
distance direction detected image data corrector.